(4) ASTM

D4986–98, Standard Test Method for Horizontal Burning Characteristics of Cellular Polymeric Materials.

(b) *Copies on file.* Copies of the specifications and standards referred to in this section shall be kept on file by the plastic foam manufacturer with this subpart.

(1) The Federal Specification and the Federal Standard may be purchased from the Business Service Center, General Services Administration, Washington, DC, 20407.

(2) The Military Specification may be obtained from the Commanding Officer, Naval Supply Depot, 5801 Tabor Avenue, Philadelphia, Pa. 19120.

(3) The A.S.T.M. Standard may be purchased from the American Society for Testing Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428–2959.

[CGFR 65–37, 30 FR 11593, Sept. 10, 1965, as amended by CGFR 65–64, 31 FR 563 Jan. 18, 1966; USCG–1999–5151, 64 FR 67186, Dec. 1, 1999]

§ 164.015–2 Types.

(a) Unicellular expanded polyvinyl chloride-acetate copolymer or synthetic rubber modified polyvinyl chloride, polymer or copolymer plastic foam shall be of three types as follows:

Type A—for life preservers, buoyant vests or buoyant cushions.

Type B—for buoyant vests or buoyant cushions.

Type C—for ring life buoys.

(b) [Reserved]

§ 164.015–3 Material and workmanship.

(a) The unicellular plastic foam shall be all new material complying with the requirements of this specification. The results of the tests described in § 164.015–4 shall yield property values within the limits shown in Table 164.015–4(a).

(b) The unicellular plastic foam shall be produced in sheet stock or molded shapes.

§ 164.015–4 Inspections and tests.

(a) *General.* Unicellular plastic foam to be used in a finished product subject to inspection by the Coast Guard also shall be subject to inspection at the plant where the foam is manufactured. The manufacturer of the foam has primary responsibility for quality control over the production of the foam. A marine inspector shall be admitted to any place in the factory where production or partial processing of the foam takes place, and he may take samples of the foam or other materials for further inspections or tests. The manufacturer shall provide a suitable place and the apparatus necessary for the performance of certain tests to be witnessed by the marine inspector, the results of which shall comply with Table 164.015–4(a). Unless otherwise specified, all tests shall be conducted at a temperature of 21° ±3 °C. (70° ±5 °F.) The properties listed in Table 164.015–4(a) shall be determined on specimens of sheet foam or molded shapes.

TABLE 164.015–4(a)

Properties	Test method	Units	Type A	Type B	Type C
Density (maximum)	164.015–4(b)	Pounds/feet^3	5.0	5.0	8.5
Buoyancy in fresh water (minimum)	164.015–4(c)	Pounds/feet^3	54.0	54.0	52.0
Volume loss on heat aging (maximum).	164.015–4(d)	Percent	5.0	5.0	4.0
Compression deflection at 25 percent.	164.015–4(e)	P.s.i.	3.0 max.	3.0 max.	7.0 min.
Compression set (maximum)	164.015–4(f)	Percent	24	24	20
Fire retardance (maximum)	164.015–4(g)(1)	Seconds	2	.....	30
		Inches	1	.....	3
	164.015–4(g)(2)	Inches per minute	.....	4	.....
Tensile strength (minimum)	164.015–4(h)	P.s.i.	30	20	60